

Title (en)

MICROMECHANICAL YAW RATE SENSOR AND METHOD FOR OPERATING SAME

Title (de)

MIKROMECHANISCHER DREHRATENSOR UND BETRIEBSVERFAHREN DESSELBEN

Title (fr)

CAPTEUR DE VITESSE DE LACET MICROMÉCANIQUE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication

EP 3377856 A1 20180926 (DE)

Application

EP 16794996 A 20161109

Priority

- DE 102015222943 A 20151120
- DE 102016213877 A 20160728
- EP 2016077041 W 20161109

Abstract (en)

[origin: WO2017084918A1] The invention provides a micromechanical yaw rate sensor (100) having: a first Coriolis element (110); a first drive bar (113) which is provided along the first Coriolis element (110) and is coupled to the first Coriolis element (110) via a first spring (114); and a first drive electrode carrier (136, 137) which extends from the first drive bar (113) in the direction opposite the first Coriolis element (120) and carries a plurality of first drive electrodes (138, 139) extending parallel to the first drive bar (113). According to another aspect, the invention provides a method for operating such a micromechanical yaw rate sensor (100).

IPC 8 full level

G01C 19/56 (2012.01)

CPC (source: EP KR US)

G01C 19/5712 (2013.01 - EP KR US); **G01C 19/5747** (2013.01 - EP KR US); **B81B 2201/0242** (2013.01 - KR)

Citation (search report)

See references of WO 2017084918A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102016213877 A1 20170524; CN 108449949 A 20180824; CN 108449949 B 20210525; CN 108449950 A 20180824; CN 108449950 B 20211008; DE 102016213870 A1 20170524; EP 3377855 A1 20180926; EP 3377855 B1 20190918; EP 3377856 A1 20180926; EP 3377856 B1 20190918; JP 2018538530 A 20181227; JP 6632726 B2 20200122; KR 20180084800 A 20180725; KR 20180084802 A 20180725; TW 201730517 A 20170901; TW I708042 B 20201021; US 10753742 B2 20200825; US 10753743 B2 20200825; US 2018321039 A1 20181108; US 2019056226 A1 20190221; WO 2017084918 A1 20170526; WO 2017084950 A1 20170526

DOCDB simple family (application)

DE 102016213877 A 20160728; CN 201680067919 A 20161109; CN 201680067979 A 20161110; DE 102016213870 A 20160728; EP 16793903 A 20161110; EP 16794996 A 20161109; EP 2016077041 W 20161109; EP 2016077214 W 20161110; JP 2018526246 A 20161110; KR 20187014196 A 20161110; KR 20187014200 A 20161109; TW 105137848 A 20161118; US 201615767271 A 20161109; US 201615775321 A 20161110